



Clubmate 15

ORDERCODE D3233



SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from DAP Audio.

The DAP Audio Club Mate 15 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

You can rely on DAP Audio, for more excellent audio products.

We design and manufacture professional audio equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: iwant@dap-audio.info

You can get some of the best quality, best priced products on the market from DAP Audio.

So next time, turn to DAP Audio for more great audio equipment.

Always get the best -- with DAP Audio !

Thank you!



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WARNING

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- DAP Club Mate 15
- power cable – 1,5m
- User manual

WARNING



CAUTION!

Keep this system away from rain and moisture!



SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this system has to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**



Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the system.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Do not insert objects into air vents.
- Do not connect this system to a dimmerpack.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Only use system indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when system is not used. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the signals into the mixer are balanced, otherwise hum could be created.
- Make sure you use DI boxes to balance unbalanced signals; All incoming signals should be clear.
- Make sure that there is sufficient room on all sides of the system for air circulation.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the system and the power-cord from time to time.
- Prevent distortion! Make sure that all components connected to the ClubMate have sufficient power ratings. Otherwise distortion will be generated because the components are operated at their limits.
- Avoid ground loops! Always be sure to connect the power amps from the ClubMate cabinets and the mixing console to the same electrical circuit to ensure the same phase!
- If system is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- Repairs, servicing and electric connection must be carried out by a qualified technician.

OPERATING DETERMINATIONS

This system is not designed for permanent operation. Consistent operation breaks will ensure that the system will serve you for a long time without defects.

If this system is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, etc.


You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

International	EU (including UK) From April 2004	North America	Pin
L	Brown	Black	Phase
N	Blue	White	Neutral
	Green/Yellow	Green	Protective Earth

Make sure that the device is always connected properly to earth!

Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

The Dap Club mate 15 is an Active Speaker Set

- High Power, Long Excursion 15 inch subwoofer speaker unit.
- Special mid speaker unit with a very high efficiency.
- Special High Drivers and Elliptical Wave Guide for frequencies up to 20 KHz.
- All amplifiers and electronics are build in the subwoofer cabinet.
- Build in dynamic compressor and limiter circuits for optimal protection and low distortion
- Build in Subsonic Filter for optimal subwoofer protection.
- Build in High Driver Protection.
- Excellent Stereo Image.
- 13-layers plywood for the subwoofer, MDF for the satellites for optimal suppression of internal resonances.
- Special High Driver with Neodymium magnet and Metalized Poly Carbonate Dome for a very smooth Frequency Response up to 20 kHz.



Fig. 1

Overview Subwoofer



Fig. 2

1) Air Cooling Window

2) Protect LED

Lights if the units protection circuit is active. If the protection circuit is active, the outputs will be muted.

3) Right Channel Combo Line Input

The input equipped with 3 pole XLR/ jack combo socket is electronically balanced to accept the (line) signal from any mixing console.

4) Sub Volume Control

This control allows you to adjust the Subwoofer volume level.

5) Phase Switch

This switch allows you to inverse the phase of the Satellite outputs if necessary.

6) Power LED

Lights if the Power is on.

7) Volume Control

This control allows you to adjust the total volume level of the clubmate.

8) Left Channel Combo Line Input

The input equipped with 3 pole XLR/ jack combo socket is electronically balanced to accept the (line) signal from any mixing console.

9) Power ON/OFF

Do not supply power before the whole system is set up and connected properly. An external fuse protects your system from any damage caused by electrical failures.

10) IEC Connector with integrated fuse holder

This connector is meant for the connection of the supplied main cord. Connect one end of the power cord to the connector, the other end to the mains, then turn on the **Power** switch (1) to operate the unit.

Note: Please make sure that the supply voltage matches the operation voltage before connecting the unit to mains. Replace the fuse only with a fuse of same specification (T3,5A).

11) Right Channel XLR Aux output

This parallel output allows you to connect more bass-cabinets together as well to connect other systems such as monitor power amplifiers, individual components etc.

12) To Satellite Left Speakon output

This output is used to connect your left Satellite Speaker.

13) Left Channel RCA Line Input

Use this input for connecting a mixer equipped with RCA outputs.

14) Right Channel RCA Line Input

Use this input for connecting a mixer equipped with RCA outputs.

15) To Satellite Right Speakon output

This output is used to connect your right Satellite Speaker.

16) Right Channel XLR Full-range Output

This parallel output allows you to connect more bass-cabinets together as well to connect other systems such as monitor power amplifiers, individual components etc.

Overview Satellite



Fig. 3

17) Satellite Speakon Input

Connect this to the **To Satellite (12, 15)** output of the subwoofer. Use a good quality speakon cable. E.g. DAP Audio FS17, FS04, FS14, FS18, FS20, FS21, FS15.

18) Carrying Grip

Set Up and Operation

DAP Pro is proud to introduce the new Club mate Active speaker systems. These speaker systems are especially designed for the mobile DJ's, where a powerful bass is required as well as a smooth mid-high frequency response. The new developed 12" and 15" subwoofers have a long linear cone excursion to ensure minimal distortion and high power levels as well as to get a higher maximum sound pressure. Special attention is also given to the power ratings of the subwoofers and satellites as well as the behavior of all the independent dynamic compressors and limiter circuits inside.

The satellite

The Club Mate satellite is designed to produce a mid/high spectrum of sound. The satellite is equipped with a 8" LF loudspeaker and a 1" HF driver.

The subwoofer

Feel the bass with this 15" subwoofer. The subwoofer cabinet is powered through a powerful 400W amplifier. The subwoofer also has a built in 2 x 150W amplifier for powering the satellites.

It's easy to set up; All you have to do is set up the system components, connect the signal-carrying cables and power cords and you're ready to roll.

Connecting

Connect the cables coming from the mixer to the Combo **Line Input (3, 8)** or the **RCA Input (13, 14)** sockets of the subwoofer. Depending on the mixer's output sockets use either a Jack, XLR or RCA cable. Use a Speakon cable to connect the **To Satellite (12, 15)** outputs of the subwoofer to the **Speakon Input (17)** of the satellites.

Linking

Connect a standard microphone cable from the first unit's **Aux (11, 16)** outputs to the second unit's **Line Input (3, 8)**. Repeat this for each stack. Make sure that when using multiple tops, they are placed with a proper projection angle.

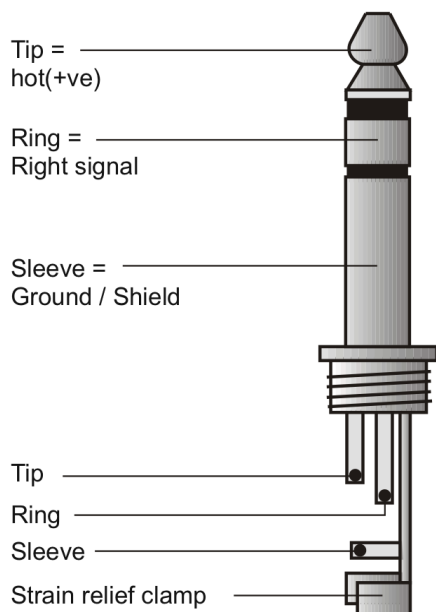
Note: Do not supply power before all components of the system are set up and connected properly. Make sure that the Club Mate system is always the last component, which is switched on! When shutting down, the Club Mate should be the first system, to be switched off.

Connection Cables

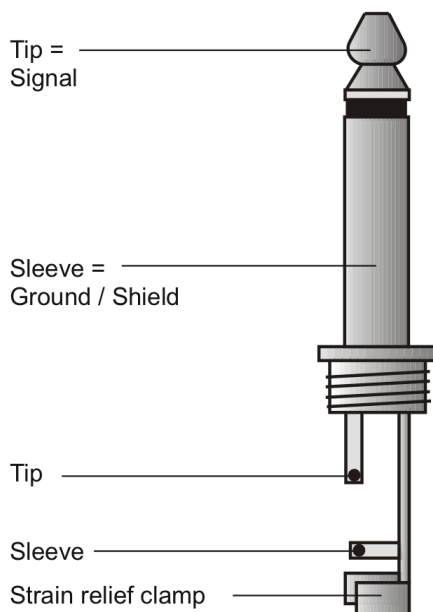
Take care of the connector cables, always holding them by the connectors and avoiding knots and twists when coiling them: This gives the advantage of increasing their life and reliability, which is always to your advantage.

Periodically check that your cables are in good condition, that they are correctly wired and that all their contacts are in good condition: a great number of problems (faulty contacts, ground hum, discharges, etc.) are caused entirely by using unsuitable or faulty cables.

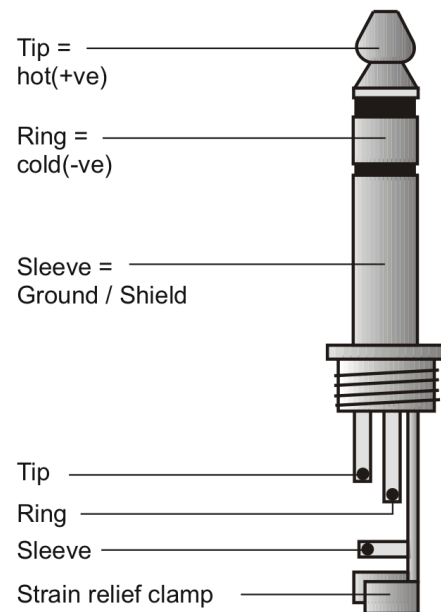
Headphones plug



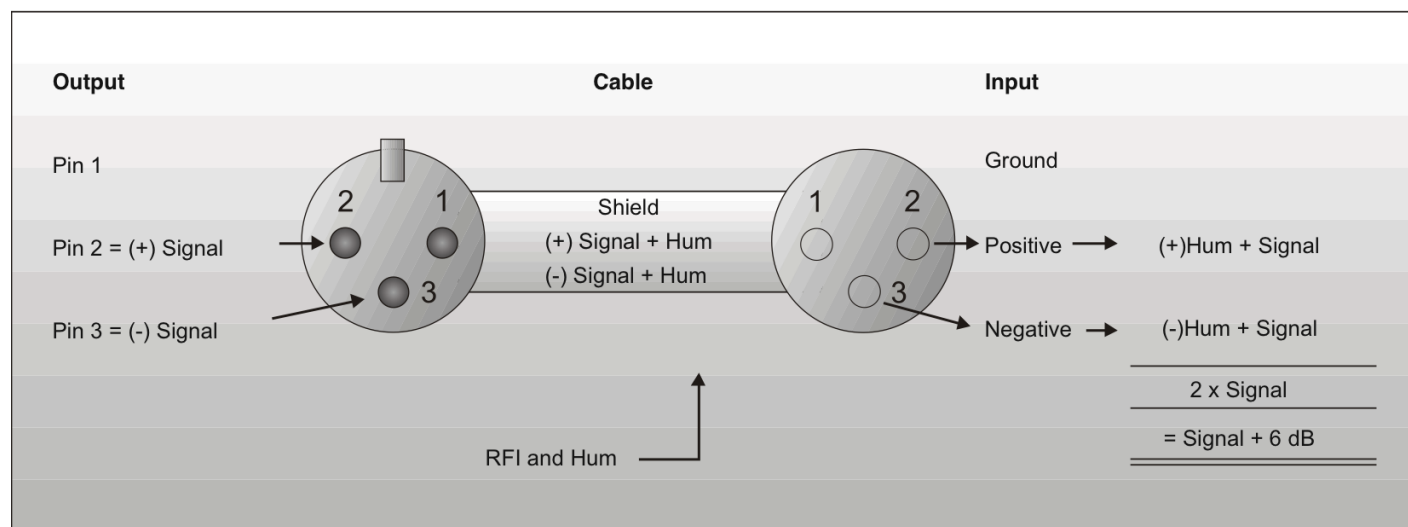
Unbalanced mono 1/4" jack plug



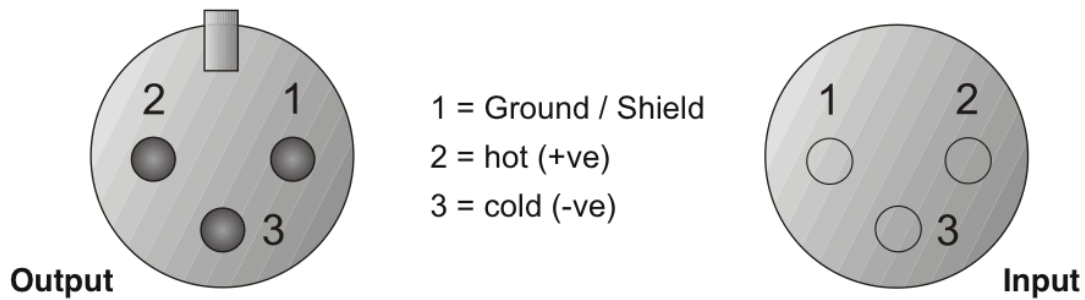
Balanced mono 1/4" jack



Compensation of interference with balanced connections



Balanced use with XLR connectors



For unbalanced use PIN 1 and PIN 3 have to be bridged

Maintenance

The DAP Audio Club Mate 15 requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents. Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the broken fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover.
Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, unplug the device.
2. Check the fuse, power from the wall, all cables, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the device, as this may damage the unit and the warranty will become void.
5. Return the device to your Dap Audio dealer.

Specifications

Subwoofer:

15" compact vented active PA subwoofer

Woofer:	1x AL1576L, 8 Ohm. 76 mm Voice Coil
Amplifier Output Low:	400 Watt RMS in 8 Ohm
Amplifier Output High:	2x 150 Watt RMS in 8 Ohm
Frequency Response (-3 dB):	44 – 125 Hz
Crossover Frequency:	125 Hz, 24 dB/Oct BW
Input Sensitivity:	0 dBu, 775 mV
Efficiency (Half Space):	102 dB / W / m
Max. SPL at 1 m:	128 dB
Nominal Dispersion (HxV):	360° x 180°
Dimensions (LxWxH):	500 x 680 x 590 mm
Netto Weight:	46 kg



Satellites:

8/1" passive vented PA satellite speaker system

Mid Speaker:	AL-838, 8 Ohm. 38 mm Voice Coil
High Driver:	AI-H25, 8 Ohm, 25 mm Voice Coil Metalized Poly Carbonate Dome.
Frequency Response (-3 dB):	125 – 20,000 Hz
Crossover Frequency:	2700 Hz, 12 dB/Oct LR
Efficiency (Full Space):	95 dB / W / m
Max. SPL at 1 m:	116.8 dB
Nominal Dispersion (HxV):	90° x 60°
Dimensions (WxHxD):	265 x 425 x 260 mm
Netto Weight:	9 kg



Design and product specifications are subject to change without prior notice.



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